

Fig. 1

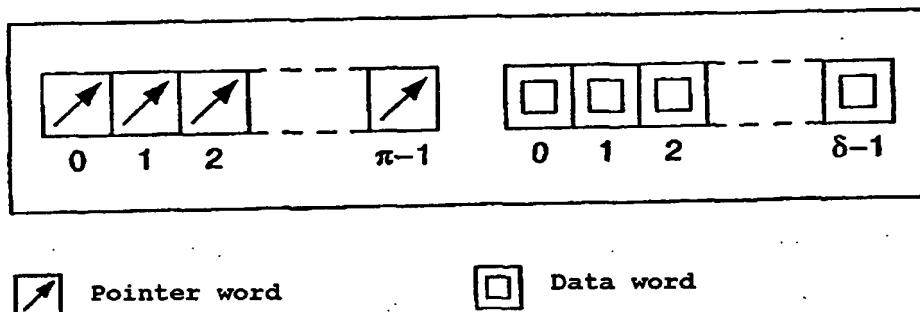


Fig. 2

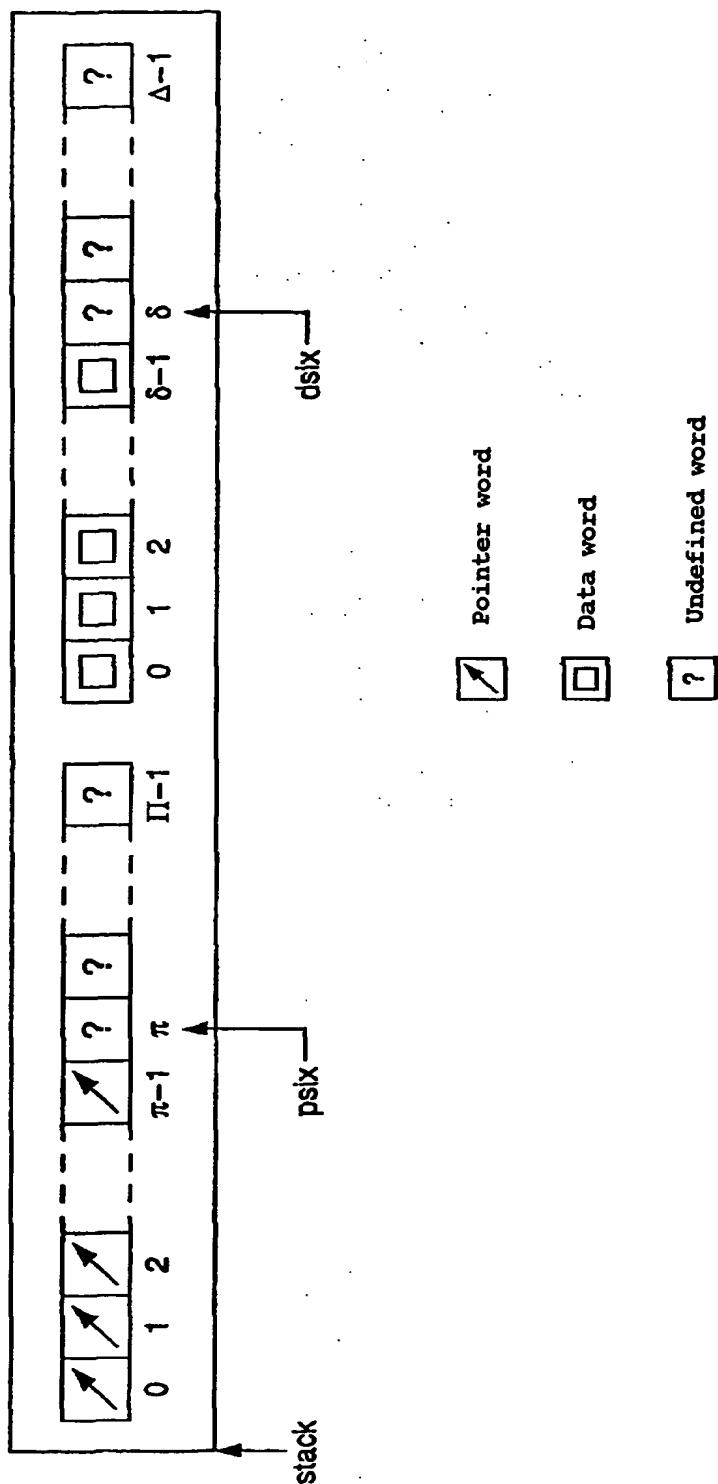


Fig. 3

Commands which read the pointer register

store pointer	(store pointer)	sp	py[index] := pz
copy pointer	(copy pointer)	cpp	px := pz
compare pointers	(compare pointers)	cmpp	dx := py,pz

Commands which write the pointer register

allocate object	(allocate object)	alc	px := dy,dz
load pointer	(load pointer)	lp	px := py[index]
copy pointer	(copy pointer)	cpp	px := pz
create const. pointer	(create const. pointer)	ccp	px := dy

Commands which dereference the pointer register

load data	(load data)	ld	dx := py[index]
load pointer	(load pointer)	lp	px := py[index]
store data	(store data)	sd	py[index] := dz
store pointer	(store pointer)	sp	py[index] := pz
read π attribute	(read π -attribute)	pattr	dx := py
read δ attribute	(read δ -attribute)	dattr	dx := py

dx, dy, dz data register
 px, py, pz pointer register
 index expression for type of
 indexing

Fig. 4

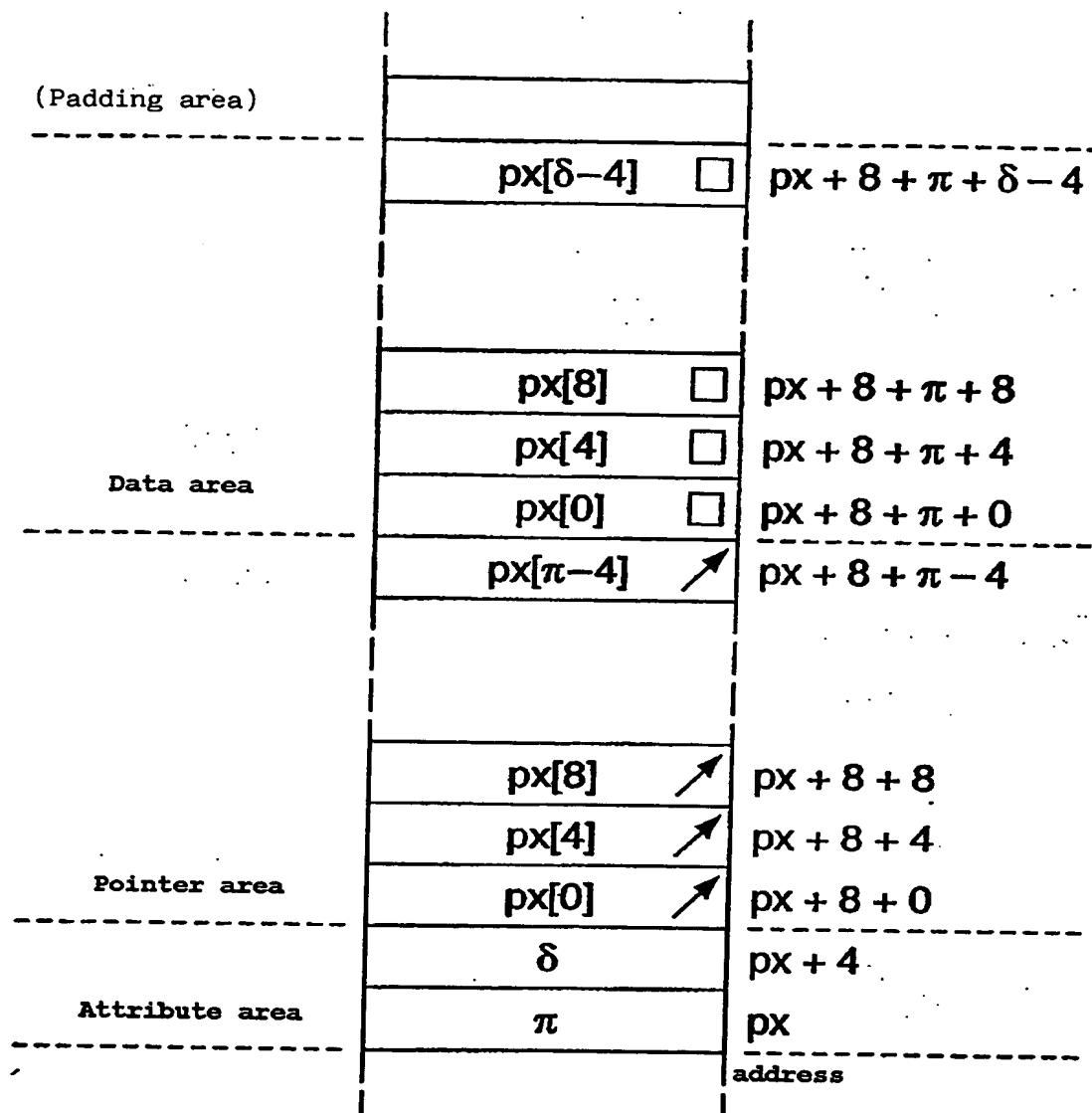


Fig. 5



Fig. 6

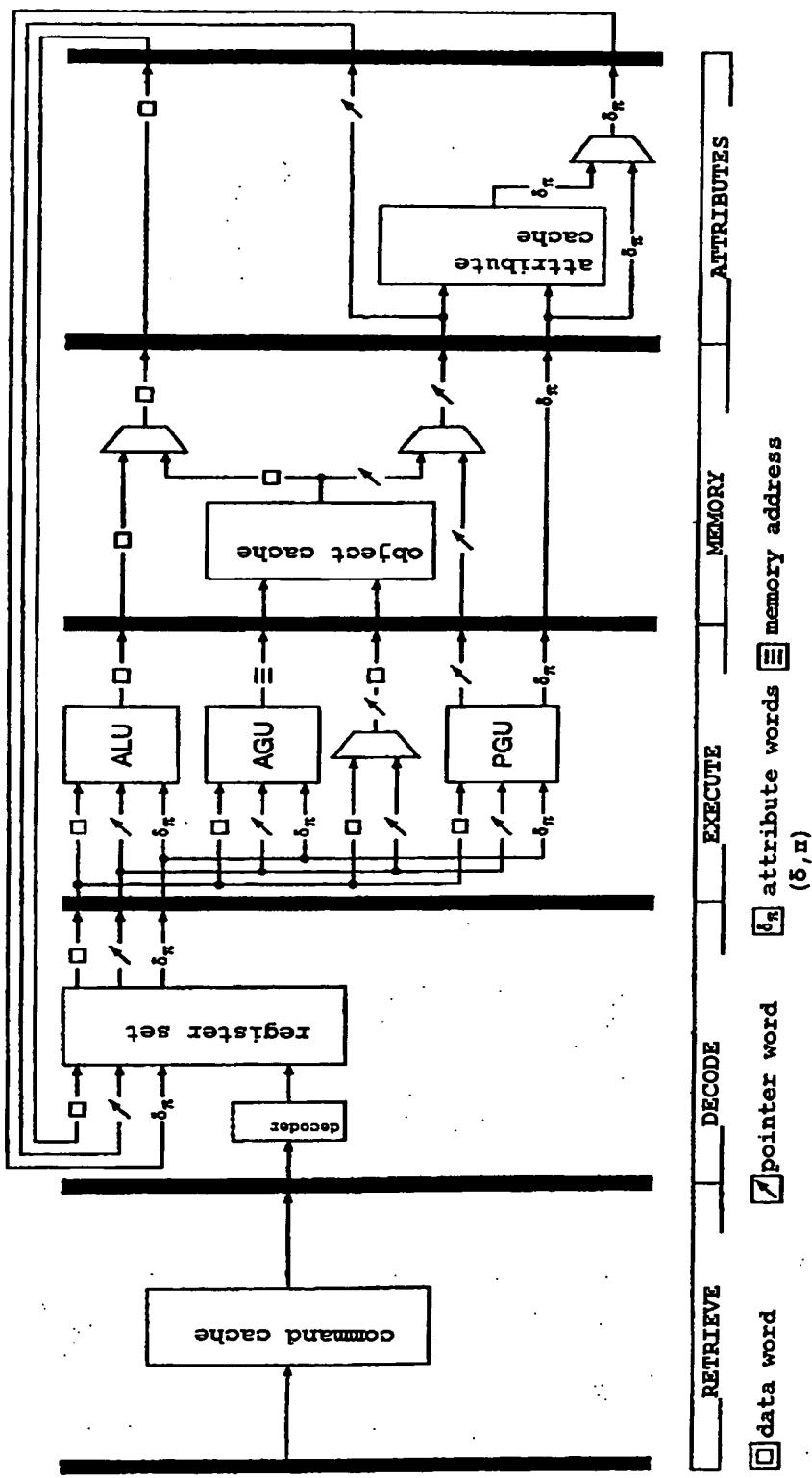


Fig. 7

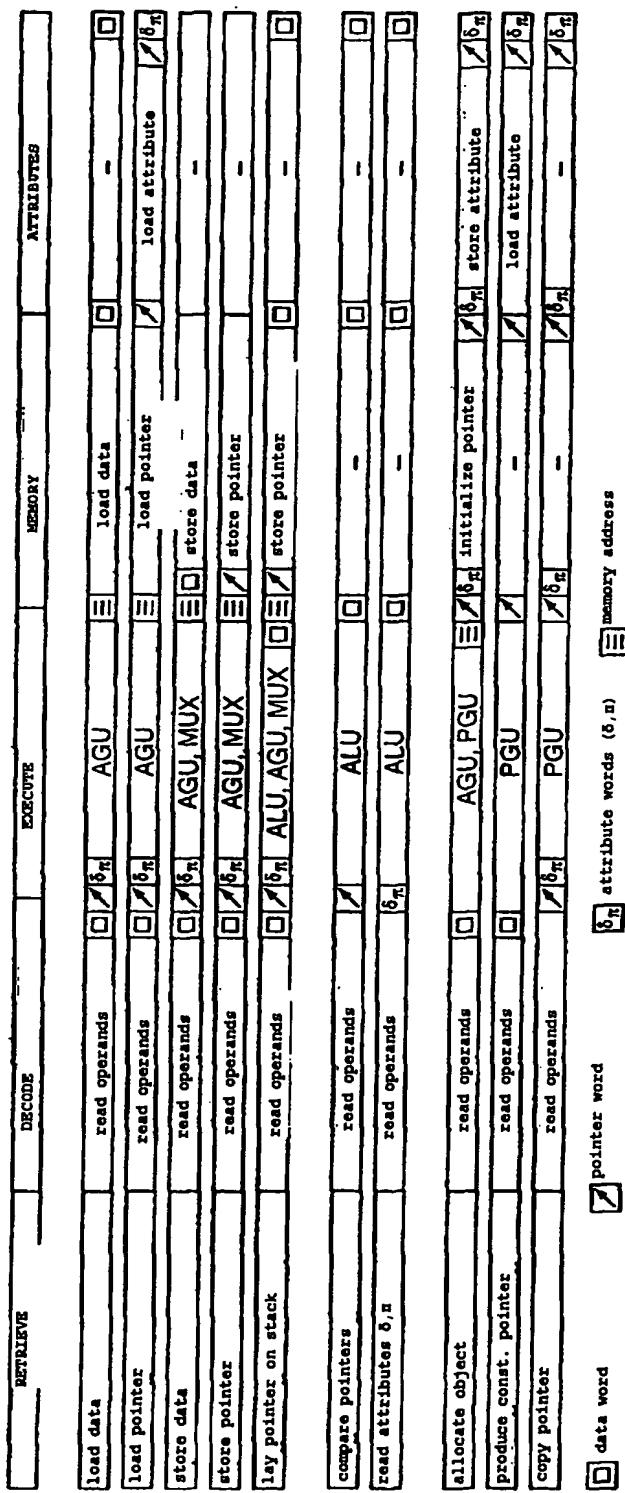


Fig. 8

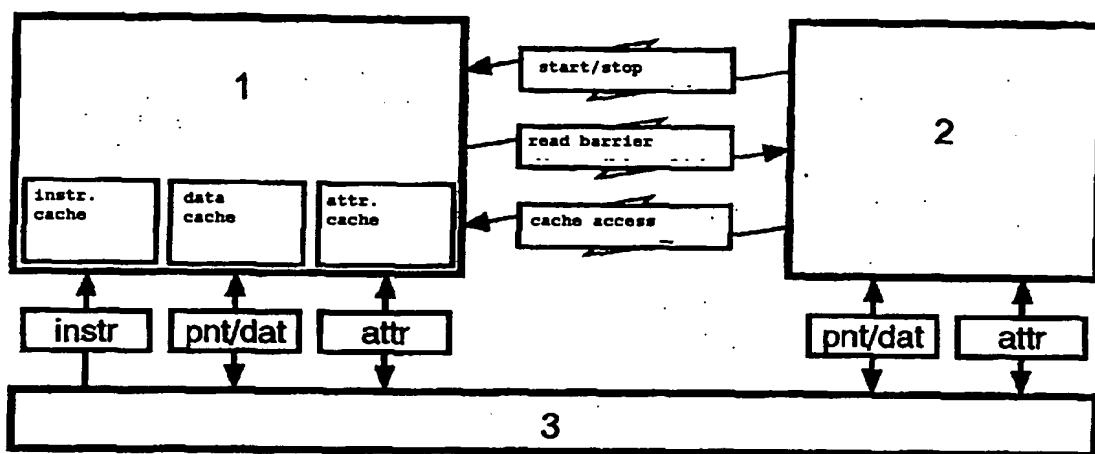


Fig. 9